

FUNCTIONAL SYSTEM LENGTH - 2022 (1)
MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-63
 SHEET 1 OF 3

March 5, 2024

STATE	RURAL MAJOR COLLECTOR														TOTAL REPORTED	NOT REPORTED 4/
	INTERNATIONAL ROUGHNESS INDEX (2)						PRESENT SERVICEABILITY RATING (3)									
	<60	60-94	95-170	171-220	>220	TOTAL	>3.9	3.5-3.9	2.6-3.4	2.1-2.5	<=2.0	TOTAL				
Alabama	613	1,361	885	36	6	2,901	-	-	-	-	-	-	2,901	2		
Alaska	57	295	310	101	156	918	-	-	-	-	-	-	918	39		
Arizona	284	784	1,545	375	233	3,220	-	-	-	-	-	-	3,220	3		
Arkansas	-	36	84	16	-	136	1,146	726	4,770	4,493	359	11,494	11,630	-		
California	-	37	44	13	38	132	-	-	-	-	-	-	132	-		
Colorado	296	1,036	1,993	591	520	4,436	-	-	-	-	-	-	4,436	-		
Connecticut	17	164	469	116	95	861	-	-	1	-	-	1	861	-		
Delaware	47	141	171	22	9	390	-	-	-	-	-	-	390	0		
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Florida	519	1,538	1,561	253	114	3,965	1	0	33	1	-	35	4,020	-		
Georgia	1,285	4,525	4,976	605	263	11,655	-	-	-	-	-	-	11,655	-		
Hawaii	-	11	104	47	56	218	-	-	-	-	-	-	218	2		
Idaho	167	339	128	26	7	667	-	-	-	-	-	-	667	4,481		
Illinois	910	3,748	3,566	595	214	9,034	-	-	-	-	-	-	9,034	-		
Indiana	1,337	2,393	1,776	83	62	5,651	-	-	-	-	-	-	5,651	4,144		
Iowa	-	-	-	-	-	-	-	-	-	-	-	-	-	12,794		
Kansas	594	2,131	1,524	236	84	4,569	-	-	-	-	-	-	4,569	7,606		
Kentucky	93	1,735	3,300	320	158	5,606	-	-	-	-	-	-	5,606	262		
Louisiana	169	1,356	1,992	605	778	4,899	4	-	16	-	7	27	4,926	0		
Maine	272	828	1,343	422	380	3,244	1	1	2	1	0	5	3,248	5		
Maryland	150	396	572	123	62	1,304	-	-	-	-	-	-	1,304	-		
Massachusetts	14	158	242	5	5	423	-	-	-	-	-	-	423	435		
Michigan	2,097	3,625	5,061	1,305	1,019	13,108	29	227	129	106	103	594	13,702	298		
Minnesota	3,419	4,193	5,921	790	593	14,916	-	-	-	-	-	-	14,916	73		
Mississippi	147	1,501	5,700	2,397	1,967	11,712	-	-	-	-	-	-	11,712	-		
Missouri	336	2,503	8,591	3,176	1,647	16,253	-	-	-	-	-	-	16,253	-		
Montana	595	1,485	2,078	432	341	4,931	-	-	-	-	-	-	4,931	64		
Nebraska	677	771	624	192	106	2,370	21	623	128	-	-	773	3,143	2,505		
Nevada	113	521	1,180	211	110	2,134	-	-	-	-	-	-	2,134	0		
New Hampshire	147	293	406	110	86	1,041	-	-	-	-	-	0	1,041	-		
New Jersey	-	-	-	-	-	-	287	77	411	-	-	775	775	-		
New Mexico	94	335	1,782	1,069	1,030	4,290	-	-	-	-	-	-	4,290	12		
New York	265	2,622	2,253	338	134	5,612	-	-	-	-	-	-	5,612	12		
North Carolina	184	2,132	4,523	401	193	7,433	-	-	-	-	-	-	7,433	2		
North Dakota	1,313	3,309	2,215	248	102	7,188	-	-	-	-	-	-	7,188	47		
Ohio	2,094	5,195	3,025	468	192	10,973	-	-	-	-	-	-	10,973	44		
Oklahoma	481	2,559	3,667	434	181	7,322	-	-	-	-	-	-	7,322	11,180		
Oregon	91	471	918	335	223	2,039	3,452	-	1,361	-	185	4,999	7,038	-		
Pennsylvania	182	1,732	2,568	978	1,028	6,488	-	-	-	-	-	-	6,488	670		
Rhode Island	3	14	57	37	31	152	-	-	-	-	-	-	152	19		
South Carolina	441	3,229	4,317	1,257	762	10,006	-	-	-	-	-	-	10,006	5		
South Dakota	695	2,028	3,397	882	292	7,295	-	-	-	-	-	-	7,295	426		
Tennessee	-	0	-	-	-	0	-	-	-	-	-	-	0	-		
Texas	483	7,207	20,945	3,580	2,542	34,757	-	-	-	-	-	-	34,757	460		
Utah	137	855	1,043	207	97	2,340	-	-	-	-	-	-	2,340	-		
Vermont	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Virginia	57	1,128	3,556	929	508	6,179	-	-	-	-	-	-	6,179	1,253		
Washington	12	792	4,269	1,456	461	6,990	-	-	-	-	-	-	6,990	1,091		
West Virginia	29	187	137	3	-	356	-	-	-	-	-	-	356	-		
Wisconsin (5)	2,299	3,024	3,961	1,285	1,395	11,964	-	-	-	-	-	-	11,964	31		
Wyoming	429	1,236	778	111	68	2,621	-	-	-	-	-	-	2,621	-		
U.S. Total	23,646	75,958	119,573	27,219	18,348	264,719	4,942	1,654	6,852	4,600	655	18,702	283,421	47,967		
Puerto Rico	-	2	25	50	235	313	-	-	-	-	-	-	313	19		
Grand Total	23,646	75,960	119,573	27,269	18,583	265,031	4,942	1,654	6,852	4,600	655	18,702	283,733	47,986		

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2022 (1)

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-63
SHEET 2 OF 3

March 5, 2024

STATE	URBAN MINOR ARTERIAL													TOTAL REPORTED	NOT REPORTED 4/
	INTERNATIONAL ROUGHNESS INDEX (2)						PRESENT SERVICEABILITY RATING (3)								
	<60	60-94	95-170	171-220	>220	TOTAL	>3.9	3.5-3.9	2.6-3.4	2.1-2.5	<=2.0	TOTAL			
Alabama	209	368	151	18	5	752	-	-	-	-	-	-	752	1	
Alaska	14	61	78	20	17	191	-	-	-	-	-	-	191	10	
Arizona	73	307	1,393	451	267	2,490	-	-	-	-	-	-	2,490	42	
Arkansas	3	39	64	39	24	170	275	212	887	244	3	1,621	1,791	1	
California	67	135	363	122	105	792	-	-	-	-	-	-	792	-	
Colorado	31	237	780	335	420	1,803	-	-	-	-	-	-	1,803	-	
Connecticut	11	251	857	272	279	1,670	0	0	2	0	-	3	1,672	-	
Delaware	20	61	92	28	22	224	-	-	-	-	-	-	224	0	
District of Columbia	-	-	13	20	124	158	-	-	-	-	-	-	158	0	
Florida	344	1,307	1,734	420	362	4,166	8	21	16	5	1	50	4,216	-	
Georgia	562	1,689	1,880	294	229	4,654	-	-	-	-	-	-	4,654	-	
Hawaii	6	34	69	33	49	191	-	-	-	-	-	-	191	1	
Idaho	10	20	25	9	5	70	-	-	-	-	-	-	70	594	
Illinois	154	676	1,765	676	853	4,123	-	-	-	-	-	-	4,123	3	
Indiana	185	215	109	20	10	538	-	-	-	-	-	-	538	2,494	
Iowa	-	-	1	1	1	3	-	-	-	-	-	-	3	1,669	
Kansas	6	45	46	13	13	122	-	-	-	-	-	-	122	1,232	
Kentucky	61	304	615	123	100	1,202	-	-	-	-	-	-	1,202	155	
Louisiana	65	358	726	280	367	1,796	18	-	16	-	-	16	1,846	2	
Maine	25	69	93	29	25	241	0	0	1	0	-	0	243	0	
Maryland	63	230	674	256	346	1,570	-	-	-	-	-	-	1,570	2	
Massachusetts	30	188	716	282	239	1,455	0	-	1	-	-	2	1,456	2,478	
Michigan	240	686	1,158	418	508	3,009	364	209	249	211	747	1,782	4,791	97	
Minnesota	353	938	896	170	95	2,452	-	-	-	-	-	-	2,452	40	
Mississippi	24	171	432	215	255	1,097	-	-	-	-	-	-	1,097	-	
Missouri	45	285	881	417	507	2,136	-	-	-	-	-	-	2,136	10	
Montana	18	72	122	42	38	292	-	-	-	-	-	-	292	-	
Nebraska	12	6	5	4	13	40	154	293	153	-	-	600	640	89	
Nevada	99	237	335	107	108	885	-	-	-	-	-	-	885	-	
New Hampshire	40	139	210	58	44	491	-	-	-	-	-	-	491	0	
New Jersey	132	186	169	30	35	553	637	372	1,981	80	9	3,078	3,631	-	
New Mexico	2	70	282	149	204	706	-	-	-	-	-	-	706	1	
New York	133	851	2,091	968	1,193	5,236	-	-	-	-	-	-	5,236	165	
North Carolina	50	717	1,930	416	276	3,389	-	-	-	-	-	-	3,389	15	
North Dakota	4	43	125	54	67	293	-	-	-	-	-	-	293	-	
Ohio	203	994	1,629	512	560	3,898	-	-	-	-	-	-	3,898	76	
Oklahoma	50	86	22	8	12	179	-	-	-	-	-	-	179	2,040	
Oregon	9	43	68	30	20	170	820	-	287	-	5	1,113	1,283	-	
Pennsylvania	121	642	1,678	530	532	3,503	-	-	-	-	-	-	3,503	551	
Rhode Island	3	27	112	57	41	239	-	-	-	-	-	-	239	99	
South Carolina	21	374	1,025	228	117	1,764	-	-	-	-	-	-	1,764	0	
South Dakota	5	32	166	87	110	399	-	-	-	-	-	-	399	35	
Tennessee	10	17	24	9	14	75	-	-	-	-	-	-	75	0	
Texas	242	1,205	2,958	1,450	2,355	8,210	-	-	-	-	-	-	8,210	291	
Utah	22	101	252	87	100	562	-	-	-	-	-	-	562	-	
Vermont	-	1	3	1	0	6	-	-	-	-	-	-	6	-	
Virginia	15	364	1,166	356	162	2,063	-	-	-	-	-	-	2,063	185	
Washington	51	362	1,289	486	547	2,735	-	-	-	-	-	-	2,735	33	
West Virginia	3	36	104	15	9	167	-	-	-	-	-	-	167	-	
Wisconsin (5)	64	217	951	460	878	2,571	-	-	-	-	-	-	2,571	40	
Wyoming	0	34	36	7	11	89	-	-	-	-	-	-	89	-	
U.S. Total	3,910	15,529	32,364	11,110	12,674	75,587	2,277	1,107	3,593	541	781	8,300	83,887	12,455	
Puerto Rico	-	-	60	173	570	803	-	-	-	-	-	-	803	17	
Grand Total	3,910	15,529	32,423	11,284	13,244	76,390	2,277	1,107	3,593	541	781	8,300	84,690	12,472	

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2022 (1)

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

TABLE HM-63
SHEET 3 OF 3

March 5, 2024

STATE	URBAN MAJOR AND MINOR COLLECTOR														TOTAL REPORTED	NOT REPORTED 4/
	INTERNATIONAL ROUGHNESS INDEX (2)						PRESENT SERVICEABILITY RATING (3)									
	<60	60-94	95-170	171-220	>220	TOTAL	>3.9	3.5-3.9	2.6-3.4	2.1-2.5	<=2.0	TOTAL				
Alabama	73	41	17	5	2	138	-	-	-	-	-	-	138	0		
Alaska	10	78	146	78	132	444	-	-	-	-	-	-	444	33		
Arizona	60	567	2,258	1,195	1,166	5,246	-	-	-	-	-	-	5,246	144		
Arkansas	-	5	4	1	0	10	193	288	1,455	384	28	2,348	2,358	3		
California	-	0	36	28	65	130	-	-	-	-	-	-	130	-		
Colorado	25	194	734	416	511	1,880	-	-	-	-	2	2	1,882	-		
Connecticut	6	99	892	511	629	2,137	1	0	1	0	0	2	2,139	-		
Delaware	15	98	209	69	70	462	-	-	-	-	-	-	462	0		
District of Columbia	-	-	7	20	128	155	-	-	-	-	-	-	155	-		
Florida	170	1,659	4,021	1,126	1,223	8,199	50	52	35	9	2	148	8,347	-		
Georgia	279	1,181	1,942	449	401	4,251	-	-	-	-	-	-	4,251	-		
Hawaii	2	20	161	120	144	447	-	-	-	-	-	-	447	4		
Idaho	0	2	5	1	0	9	-	-	-	-	-	-	9	755		
Illinois	71	605	2,300	1,137	1,715	5,828	-	-	-	-	-	-	5,828	7		
Indiana	45	37	30	4	0	116	-	-	-	-	-	-	116	3,964		
Iowa	-	-	-	1	0	1	-	-	-	-	-	-	1	1,264		
Kansas	18	33	23	0	6	79	-	-	-	-	-	-	79	2,037		
Kentucky	7	139	501	132	86	866	-	-	-	-	-	-	866	920		
Louisiana	87	414	1,198	513	841	3,053	68	-	84	-	87	239	3,292	11		
Maine	31	126	262	76	70	566	1	2	2	1	1	7	573	2		
Maryland	21	259	842	510	757	2,389	-	-	-	-	-	-	2,389	1		
Massachusetts	-	2	239	3	-	243	-	-	-	-	-	-	243	2,788		
Michigan	77	310	671	222	239	1,519	409	268	274	320	900	2,171	3,690	143		
Minnesota	223	561	2,423	403	326	3,936	-	-	-	-	-	-	3,936	76		
Mississippi	8	68	577	303	641	1,597	-	-	-	-	-	-	1,597	-		
Missouri	6	146	969	594	916	2,630	-	-	-	-	-	-	2,630	3		
Montana	4	30	140	109	159	443	-	-	-	-	-	-	443	8		
Nebraska	0	1	2	0	3	7	94	182	101	-	-	377	383	87		
Nevada	32	192	507	220	256	1,206	-	-	-	-	-	-	1,206	-		
New Hampshire	25	100	235	78	101	540	-	-	0	-	-	0	541	-		
New Jersey	5	37	41	5	40	129	449	296	2,205	225	19	3,194	3,323	0		
New Mexico	18	104	440	192	392	1,145	-	-	-	-	-	-	1,145	4		
New York	43	698	2,219	1,220	1,319	5,499	-	-	-	-	-	-	5,499	79		
North Carolina	4	484	2,310	579	358	3,736	-	-	-	-	-	-	3,736	60		
North Dakota	8	34	113	66	154	375	-	-	-	-	-	-	375	2		
Ohio	212	1,140	2,573	849	1,010	5,783	-	-	-	-	-	-	5,783	181		
Oklahoma	15	22	10	3	0	50	-	-	-	-	-	-	50	1,600		
Oregon	1	35	27	5	20	89	1,763	-	697	-	51	2,511	2,600	11		
Pennsylvania	35	271	2,115	1,072	1,329	4,820	-	-	-	-	-	-	4,820	998		
Rhode Island	2	5	67	36	23	134	-	-	-	-	-	-	134	442		
South Carolina	52	495	1,309	545	481	2,882	-	-	-	-	-	-	2,882	16		
South Dakota	5	8	89	58	132	292	-	-	-	-	-	-	292	30		
Tennessee	2	29	22	3	2	58	-	-	-	-	-	-	58	-		
Texas	396	1,989	5,836	3,185	5,308	16,715	-	-	-	-	-	-	16,715	552		
Utah	3	63	460	305	470	1,300	-	-	-	-	-	-	1,300	0		
Vermont	-	-	0	0	1	2	-	-	-	-	-	-	2	0		
Virginia	3	218	1,545	670	357	2,794	-	-	-	-	-	-	2,794	522		
Washington	12	179	1,120	713	938	2,962	-	-	-	-	-	-	2,962	25		
West Virginia	-	2	4	-	-	6	-	-	-	-	-	-	6	-		
Wisconsin (5)	23	266	889	457	1,148	2,783	-	-	-	-	-	-	2,783	82		
Wyoming	29	53	31	5	1	118	-	-	-	-	-	-	118	-		
U.S. Total	2,162	13,101	42,571	18,293	24,072	100,198	3,027	1,089	4,855	939	1,089	11,000	111,198	16,858		
Puerto Rico	-	0	54	161	735	950	-	-	-	-	-	-	950	31		
Grand Total	2,162	13,101	42,626	18,454	24,806	101,149	3,027	1,089	4,855	939	1,089	11,000	112,149	16,889		

For footnotes, see Footnotes Page.

FUNCTIONAL SYSTEM LENGTH - 2022 (1)

MILES BY MEASURED PAVEMENT ROUGHNESS / PRESENT SERVICEABILITY RATING

HM-63 Footnotes Page:

- (1) Some States elect to report International Roughness Index (IRI) for these systems; some report IRI for some sections and PSR for some sections. PSR is ignored for sections coded with both IRI and PSR. Some differences from other tables may be noted because these are estimated from sample data. Excludes unpaved mileage. Includes structures.
- (2) Data are reported as the IRI in inches per mile. Reference: World Bank Technical Paper Number 46, 1986. Lower IRI represents smoother riding roadways; to obtain a comprehensive assessment of pavement condition, additional measures of pavement distress are needed.
- (3) The "Present Serviceability Rating" (PSR) is a subjective, primarily ride-based system adapted from the "AASHO ROAD TESTS" conducted in the late 1950's and early 1960's. Reference: Highway Special Report 61E, 1962. The PSR values range from 0.1 to 5.0; higher PSR values represent smoother riding roadways.
- (4) Includes unpaved miles or bridges.
- (5) Substantial amount of missing IRI data; caution is advised when used in analysis.